

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF NEW OPTICOM EMERGENCY VEHICLE PRE-EMPTION AT THE INTERSECTION OF MD 235 AND RUE PURCHASE ROAD/BUCK HEWITT ROAD IN ST. MARY'S COUNTY. THE PRE-EMPTION IS INTENDED FOR THE NORTHBOUND AND SOUTHBOUND APPROACHES OF MD 235. MD 235 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH EXCLUSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 235. SIDE STREET TRAFFIC MOVEMENTS ARE NOT SIGNALIZED, EXCEPT FOR THE EMERGENCY VEHICLE PRE-EMPTION PHASE.

NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
2. THE CONTRACTOR SHALL MAINTAIN THE CONTINUOUS OPERATION OF ALL INTERCONNECT, VEHICULAR, PEDESTRIAN DETECTORS, AND LIGHTING DEVICES. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO THE ADMINISTRATION AFTER NOTIFICATION BY THE ENGINEER.
3. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: MD 104.04-13 THROUGH MD 104.04-16.

CONTACTS

DISTRICT 5

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-841-1019

MR. MIKE HUBER
DISTRICT UTILITIES ENGINEER - UTILITIES
410-841-1039

MR. JAMES FOLDEN
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-841-1031

MR. JOHN S. MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-841-1013

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
MANAGER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
MANAGER SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1	MAINTENANCE OF TRAFFIC
8032	450	FURNISH AND INSTALL 4 CONDUCTOR OPTICOM CABLE
8049	2	OPTICOM NO. 721 DETECTOR EYE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 & 5	←G←	←G←	R	R	G	G	←G←	←G←	R	R	G	G	DARK
1 & 5 CHANGE	←G←	←G←	R	R	G	G	←G←	←G←	R	R	G	G	DARK
PHASE 1 & 6	←G←	←G←	G	G	G	G	←R←	←R←	R	R	R	R	DARK
1 & 6 CHANGE	←Y←	←Y←	Y	Y	Y	Y	←R←	←R←	R	R	R	R	DARK
PHASE 2 & 5	←R←	←R←	R	R	R	R	←G←	←G←	G	G	G	G	DARK
2 & 5 CHANGE	←R←	←R←	R	R	R	R	←Y←	←Y←	Y	Y	Y	Y	DARK
PHASE 2 & 6	←R←	←R←	G	G	R	R	←R←	←R←	G	G	R	R	DARK
2 & 6 CHANGE	←R←	←R←	Y	Y	R	R	←R←	←R←	Y	Y	R	R	DARK
FLASHING OPERATION	FLR	FLR	FLY	FLY	FLR	FLR	FLR	FLR	FLY	FLY	FLR	FLR	DARK

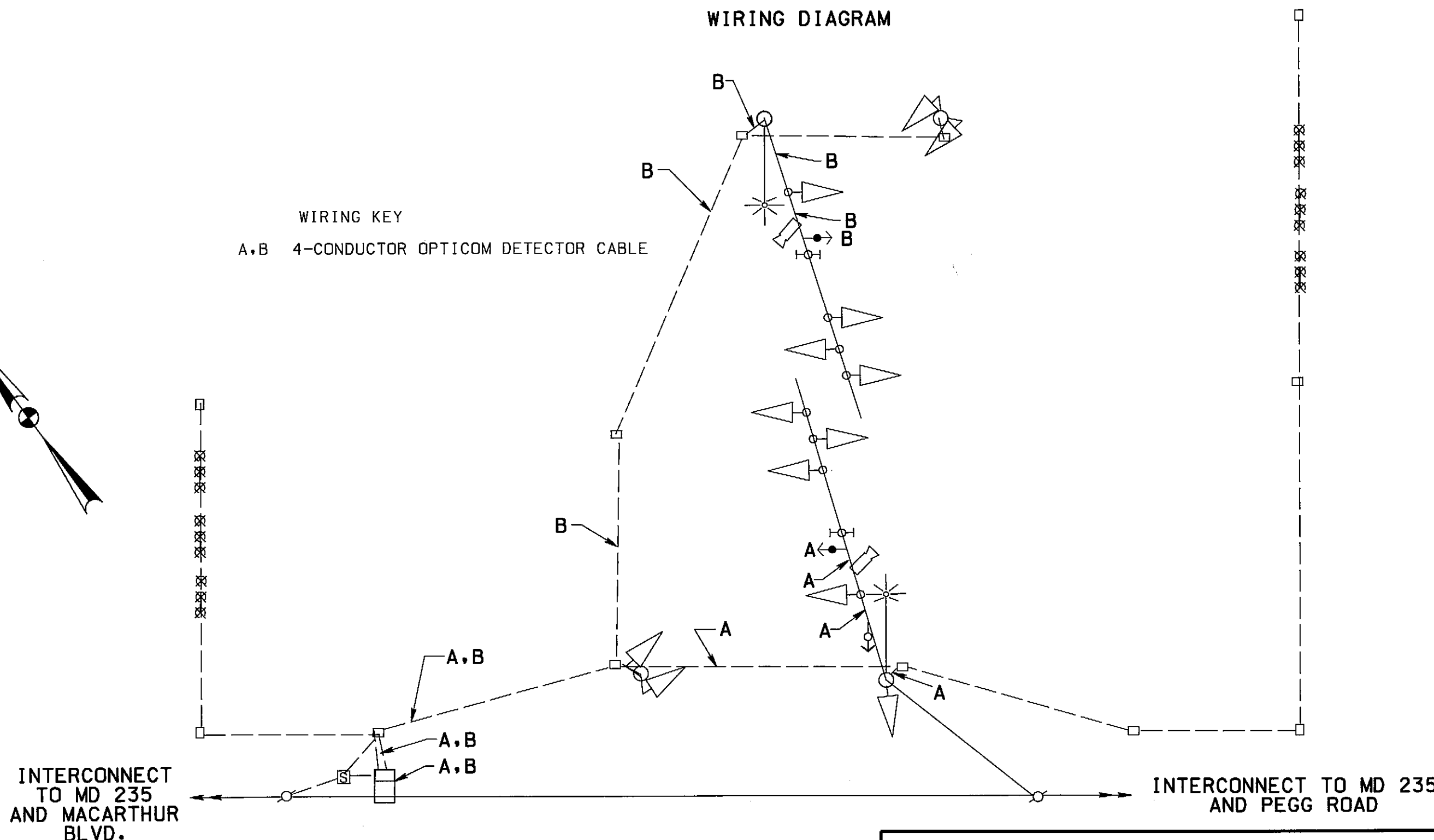
FIRE HOUSE PRE-EMPTION

FIRE HOUSE PRE-EMPTION PHASE 3	←R←	←R←	R	R	R	R	←R←	←R←	R	R	R	R	FLR
PRE-EMPTION CLEARANCE	←R←	←R←	R	R	R	R	←R←	←R←	R	R	R	R	FLR
PHASE 2 AND 6 NORMAL OPERATION	←R←	←R←	G	G	R	R	←R←	←R←	G	G	R	R	DARK

FIRE HOUSE PRE-EMPTION PHASE 1 AND 6	←G←	←G←	G	G	G	G	←R←	←R←	R	R	R	R	DARK
PRE-EMPTION CLEARANCE	←Y←	←Y←	G	G	Y	Y	←R←	←R←	R	R	R	R	DARK
PHASE 2 AND 6 NORMAL OPERATION	←R←	←R←	G	G	R	R	←R←	←R←	G	G	R	R	DARK

FIRE HOUSE PRE-EMPTION PHASE 2 AND 5	←R←	←R←	R	R	R	R	←G←	←G←	G	G	G	G	DARK
PRE-EMPTION CLEARANCE	←R←	←R←	R	R	R	R	←Y←	←Y←	G	G	Y	Y	DARK
PHASE 2 AND 6 NORMAL OPERATION	←R←	←R←	G	G	R	R	←R←	←R←	G	G	R	R	DARK

WIRING DIAGRAM



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 235 (THREE NOTCH ROAD) AND RUE PURCHASE ROAD/
BUCK HEWITT ROAD
LEXINGTON PARK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1/4" = 1' DATE 4/2011 CONTRACT NO. XX6475185

DESIGNED BY A.M.H. OF KCI COUNTY ST. MARY'S
DRAWN BY A.M.H. OF KCI LOGMILE 18235013.99
CHECKED BY J.F.L. OF KCI TMS NO. K525
F.A.P. NO. NA TOD NO.

TS NO. 4623-B DRAWING **SG-2** OF 2 SHEET NO. 2 OF 2